C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.16.o D6 Access Control Test

C-A-OPM Procedures in which this Attachment is used.		
4.16		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved: _____ _____
Collider-Accelerator Department Chairman Date

N. Williams

D6 Access Control Test

PERIOD_____ TO_____

Access Controls Group Personnel

PRINT NAME	LIFE NUMBER

PRECAUTIONS

Working Hot Permit All Radiation Sources LOTO

SUPPORTING DOCUMENTS

LOGIC DIAGRAM TITLE	LOGIC DIAGRAM NUMBER	REVISION
D6 Logic Diagram	D6.LGC (D09-E2482-2)	H 12-30-94

SCHEMATIC TITLE	SCHEMATIC NUMBER	REVISION
D6 Security Logic Box	D6SECUR (D09-E2093-5)	H12-30-94

D6 ACCESS CONTROL TEST

INPUT TESTING

INITIAL, and DATE, 1 through 21 for the correct indication of each input CONDITION by observation of the following relays for BOTH input states:

CONDITION	RELAY	RELAY ENERGIZED (Condition is TRUE) Initial	RELAY DE-ENERGIZED (Condition is NOT TRUE) Initial	DATE
1. SEB/D on Controlled Access	5022 K1			
2. SEB/D Beam Disabled	5022 K2			
3. D6D1 P.S. Off	5022 K17			
4. D6D2 P.S. Off	5022 K18			
5. D6 Expr's Gate Reset	5022 K25			
6. D6 Expr's Gate RDS OK	5022 K26			
7. D6 Crash Buttons OK	5022 K27			
8. D6D2 in A Polarity	5022 K4			
9. D6D2 in B Polarity	5022 K5			
10. D6D3 in A Polarity	5022 K6			
11. D6D3 in B Polarity	5022 K7			
12. D6P5 in A Polarity	5022 K8			
13. D6P5 in B Polarity	5022 K9			
14. DD12/DD15 Current Comp OK	5022 K12			
15. D6D2/D3 Current Comp OK	5022 K13			
16. D6P5/D2 Current Comp OK	5022 K10			
17. Chipmunk Near D6D3 OK	5022 K21			
18. Chipmunk at D6 Beam Stop OK	5022 K22			
19. D6GA2 Rad Mon OK	5022 K23			
20. GA6 Rad Mon (Normal) OK	5022 K19			
21. GA6 Rad Mon (Integrated) OK	5022 K20			

OUTPUT TESTING

INITIAL, and DATE, 1 through 4 for the correct indication of each output CONDITION of observation of the following relays for BOTH output states:

CONDITION	RELAY	RELAY ON (Condition is TRUE) Initial	RELAY OFF (Condition is NOT TRUE) Initial	DATE
1. DD12/DD15 Current Comp OK 23JK14	5022 A5			
2. D6 Intlk. On D Primary Clear 23MK10	5022 A6			
3. D6 Intlk. On D6D1 P.S. Clear	5022 B5			
4. D6 Intlk. On D6D2 P.S. Clear	5022 B7			

LOGIC TESTING

INITIAL, and DATE, 1 through 8. Check by forcing each contact ON and OFF so that the listed relay goes ON and OFF. The D6 Secondary Beam Security schematic indicates which contact controls which relay.

RELAY	CONTACT ON (Relay ON) Initial	CONTACT OFF (Relay OFF) Initial	DATE
1. 5022 B5			
2. 5022 B7			
3. 5022 K14			
4. 5022 K15			
5. 5022 K16			
6. 5022 K03			
7. 5022 C10			
8. 5022 C7			